

Date: Tue, 30 Aug 94 04:30:22 PDT  
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>  
Errors-To: Ham-Equip-Errors@UCSD.Edu  
Reply-To: Ham-Equip@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Equip Digest V94 #308  
To: Ham-Equip

Ham-Equip Digest                      Tue, 30 Aug 94                      Volume 94 : Issue    308

Today's Topics:

          9600 baud using Kenwood TM201 & TM401  
                  Begginging Hamming  
                  Dual-Band Antenna Tip  
                  FT-900 MARS  
                  Grounding question (3 msgs)  
HELP ! MOTOROLA DPL code plug for 261 needed,for EXPO or wiring advic  
                  HTX-202 Low Batt Volt  
                  ic 502  
                  ICOM 2700 H  
                  MARS/CAP  
                  Mods available for Kenwood 79a?  
                  Need sources  
                  Parts for Ham-M  
                  prices and ham shops needed in CA ?  
                  Reviving NiCads - FT-470 Battery pack

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>  
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Mon, 29 Aug 94 08:55:17 PDT  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!gatech!  
newsxfer.itd.umich.edu!zip.eecs.umich.edu!yeshua.marcam.com!news.kei.com!  
ssd.intel.com!chnews!news@network.ucsd.edu  
Subject: 9600 baud using Kenwood TM201 & TM401  
To: ham-equip@ucsd.edu

Does anyone have 9600 baud mod information for the Kenwood TM201 (2meters)

and TM401 (70cm) FM radios? Please post here or send direct.

Thanks, 73s  
Tom WB7ASR...

tom\_boza@ccm.hf.intel.com

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Date: Mon, 29 Aug 1994 13:48:06 +0000  
From: ihnp4.ucsd.edu!swrinde!pipex!demon!arkas.demon.co.uk!  
Michael@network.ucsd.edu  
Subject: Begging Hamming  
To: ham-equip@ucsd.edu

In article <pu8RN79.william25@delphi.com> william25@delphi.com writes:

> Hi all! Well, I have just recently took a trip to the library and  
> found some book on Ham Radio'ing and became deeply fascinated!!!!  
> But the said part is that I know nothing about Hamming and how much the  
> equipment costs. :( I was wondering if anyone can please tell me  
> some REALLY inexpensive equipment prices and info, please?! I really  
> want to ham but I only have 80 bucks to spend on Hamming equipment! Help!  
>

For more information, you can email the ARRL's Email Information Server. Send  
the following message to info@arrl.org

send prospect.txt

Your "From:" field or "Reply to:" field in your message header should contain  
your valid email address - including the full domain name. If not, then insert  
the following line \*before\* the "send" line in the message:

reply <your full email address inserted here, without the <>! >

That should do it. Prospect.txt contains information on how to become a radio  
amateur.

73's

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Mike Dower  
G0VEY  
VK2ENG

'Quoth the raven, "Never more".' ... Poe

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Date: 29 Aug 1994 08:57:25 -0500  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!gerald@cc.utexas.edu!  
austin.lockheed.com!not-for-mail@network.ucsd.edu  
Subject: Dual-Band Antenna Tip  
To: ham-equip@ucsd.edu

I just purchased a Tucker dual-band-on-glass antenna. It works great but I did run into one MAJOR problem. At speeds above 60 mph the dumb coil would start whistling in the wind. After 400 miles, I had to fix it or get rid of the antenna.

The problem is history thanks to shrink-tubing.

Dick KD5VU

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Date: Sun, 28 Aug 94 23:26:02 PDT  
From: news.sprintlink.net!news.onramp.net!usenet@uunet.uu.net  
Subject: FT-900 MARS  
To: ham-equip@ucsd.edu

Anyone out there have mod info for the FT-900. The 890 mod is not possible.

-George WB2DYB/5

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Date: 28 Aug 1994 12:52:52 -0500  
From: ihnp4.ucsd.edu!sdd.hp.com!saimiri.prima.wisc.edu!news.doit.wisc.edu!  
post.its.mcw.edu!not-for-mail@network.ucsd.edu  
Subject: Grounding question  
To: ham-equip@ucsd.edu

I'm in the process of setting up my first HF rig and I've been having trouble finding the answer to what seems like a simple question. What type of wire should I use for the ground (to a cold-water pipe, in this case)?

Thanks,

Kay Pleyte, N9XCX  
kpleyte@post.its.mcw.edu

Date: 29 Aug 1994 13:29:56 GMT  
From: agate!howland.reston.ans.net!swrinde!hopper.acm.org!ACM.ORG!  
SMITHSON@ames.arpa  
Subject: Grounding question  
To: ham-equip@ucsd.edu

In article <33qitk\$heu@post.its.mcw.edu>, kpleyte@post.its.mcw.edu (Kay A. Pleyte) writes:

>  
> I'm in the process of setting up my first HF rig and I've been having  
> trouble finding the answer to what seems like a simple question. What type  
> of wire should I use for the ground (to a cold-water pipe, in this case)?  
>  
> Thanks,  
>  
> Kay Pleyte, N9XCX  
> kpleyte@post.its.mcw.edu  
>

You want a nice low impedance ground, and you can get this simply by using a piece of flattened copper strapping, like the sheild from a peice of RG8 coax. Tie it to your rig and take the shortest possible route to the ground point. If it is at all possible, drive an 8' ground rod close to your operating position and tie everything to that - probably a better ground (more direct) than your water pipe.

Good luck & 73!

Brian  
n8wrl

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Date: 29 Aug 1994 14:33:00 GMT  
From: agate!library.ucla.edu!csulb.edu!nic-nac.CSU.net!charnel.ecst.csuchico.edu!  
yeshua.marcam.com!news.kei.com!sol.ctr.columbia.edu!news.columbia.edu!  
watsun.cc.columbia.edu!alan@ames.arpa  
Subject: Grounding question  
To: ham-equip@ucsd.edu

Info on grounding can also be found in the ARRL pubs: Now You're Talking, Operating Manual, Handbook. All of these reference the National Electrical Code which is what most municipal building electrical codes are based on. One of the things you want to make sure to do is bond all the grounds in the house together (because the code requires it!). So, for example, if you add a ground rod for your shack, you also need to connect that ground rod to the existing ground system in your house. For non-RF grounding, one usually uses #8 copper or aluminum wire. You could use this to connect your house

grounds together for example. The reason copper braid is typically used for RF grounding is due to the skin effect -- RF travels on the surface of conductors, so the greater the surface area, the greater the current-carrying capacity. By all means, read up on it, or ask an electrician friend or get local experience ham to help.

73 de N2YGK

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Date: 28 Aug 1994 12:18:24 GMT  
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!torn!news.unb.ca!  
nbt.nbnet.nb.ca!ve1fc.nbnet.nb.ca!ve1fc@network.ucsd.edu  
Subject: HELP ! MOTOROLA DPL code plug for 261 needed,for EXPO or wiring advic  
To: ham-equip@ucsd.edu

Am in need of a code plug for a MOTOROLA EXPO for code 261 DPL or  
if you have one lift the lables off each side and tell me which  
jumpers are cut and which are made.

Any help with this would be GREATLY appreciated..

There are 9 jumpers on one side 1 to 9 and same number on other  
side labeled A to M..

Please make my day !

RGDS

Graham

ve1fc@nbnet.nb.ca

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Date: Sun, 28 Aug 94 16:45:00 -0500  
From: ihnp4.ucsd.edu!agate!iat.holonet.net!wwwswinc!art.harris@network.ucsd.edu  
Subject: HTX-202 Low Batt Volt  
To: ham-equip@ucsd.edu

In <9408251818.AA17900@batdd6.batdd1.pica.army.mil>, Kalman Laudon,  
WD6CZI wrote:

KL>I have recently purchased the RS HTX-202 HT, and use it with the  
KL>supplied NiCd battery pack (7.2 vdc).

KL>When the battery gets low (typically during a session of full-power  
KL>transmitting), the BATT indication comes on the display. This is  
KL>normal. However, if transmit operation is attempted, the rig will  
KL>turn itself off within a second or two. In other words, the rig provides  
KL>essentially zero warning of low BATTery condition, before further  
KL>transmit is inhibited.

A characteristic of NiCd batteries is that they maintain nearly constant

voltage as they discharge, and then the voltage will suddenly drop sharply. That's why you get little warning, especially when transmitting at high power. There are a few rigs out there that have a battery meter-type indicator built in. It sounds like a good idea, but I've never used one so I don't know how well they work.

Art N2AH

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Date: Sun, 28 Aug 1994 22:09:27 +0000  
From: ihnp4.ucsd.edu!swrinde!pipex!demon!rose.demon.co.uk!crc@network.ucsd.edu  
Subject: ic 502  
To: ham-equip@ucsd.edu

Hi folks.

A friend of mine in London is desperately looking for an Icom IC502. He has already been on to Icom in this country but with no luck. Is there anyone who might have such a beast for sale. If so, could you let me know by e-mail as opposed to the newsgroup as I don't normally have access thereto.

Thanks in advance.

Ross.

e-mail to [crc@rose.demon.co.uk](mailto:crc@rose.demon.co.uk)

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Date: 29 Aug 1994 03:18:41 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!gatech!psuvax1!news.cc.swarthmore.edu!netnews.upenn.edu!news.drexel.edu!dunx1.ocs.drexel.edu!DUVM.OCS.DREXEL.EDU!XTL00014@network.ucsd.edu  
Subject: ICOM 2700 H  
To: ham-equip@ucsd.edu

wwhitby@aol.com (Wwhitby) writes:

>Sender: news@search01.news.aol.com

>Message-ID: <33dfgp\$8bs@search01.news.aol.com>

>NNTP-Posting-Host: search01.news.aol.com

>Grove sent me a copy of Satellite Times and on page 83, ICOM has an ad for  
>their new 2700H dual band mobile rig. I called their info line and should  
>get some information in a couple of weeks (I hope). So it does exist.

>Now for my question, does anyone have any information on that rig? I like  
>the look of it and would like to get some specs on it. What is the size  
>(I have a small car)? Does it have expanded Rx? Does the wireless mic

>really work? I will post a summary to the net when I have received enough  
>information about it.  
>tnx in advance,  
>Warren Whitby  
>wwhitby@aol.com  
>73s de KE4ITL

Letssee.

I DON'T reccomend the radio if you live anywhere near  
an urban environment, since it is EXTREMELY susceptible to INTERMOD!

We tested the rig down at my club station, W3TKQ (Check QST in 1993.)  
(It's a cover page story)

The rig is a little bit bigger than the KPC3 TNC. The rig is incredibly  
small for the features. I would love to have it in my shack, but the  
price tag is a little bit out of my reach.

PLEASE TAKE ME SEROUSLY (sp.?) when I talk about the Intermod. We were  
able to even listen on the damned thing because of the constant hammer of  
interference. Buy at your own risk.

In other words: It bites.

73 de N3RCS, Adam, xtl00014@duvm.ocs.drexel.edu

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Date: Sun, 28 Aug 94 15:44:00 -0500  
From: ihnp4.ucsd.edu!agate!iat.holonet.net!wwwswinc!  
steve.silverwood@network.ucsd.edu  
Subject: MARS/CAP  
To: ham-equip@ucsd.edu

References: <32ck1g\$6ht@kelly.teleport.com>

> I don't know about MARS, but Civil Air Patrol opperates on 148.15, with  
> an offset of -4.25 for voice repeaters. They also have 149.925 for  
> packet and one 10m freq I can't remember right now.

Try 26.620 MHz. It's just below the bottom of the 11m band. RARELY used  
unless things have radically changed lately. We used to get to it by  
switching the channel 10 receive and transmit crystals in a Radio Shack  
xtal-based CB rig.

//Steve//  
KB6OJS

|                               |                                     |  |
|-------------------------------|-------------------------------------|--|
| Steve Silverwood [KB60JS/2]   | CompuServe: 76703,3035              |  |
| Computer Associates           | GEnie: S.SILVERWOOD                 |  |
| One Computer Associates Plaza | Internet: 76703.3035@compuserve.com |  |
| Islandia, NY 11788-7000       | Prodigy: XBHU98A                    |  |
| (516)CALL-CAI (225-5224)      | FAX: (516)342-6861                  |  |

\* RM 1.4 B2335 \* I am Bartekus of Borg: Resistance is futile, dude.

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Date: Mon, 29 Aug 1994 04:45:26 GMT  
From: netcomsv!netcom.com!herbr@decwrl.dec.com  
Subject: Mods available for Kenwood 79a?  
To: ham-equip@ucsd.edu

Does any know if there is a published listing of mods for the Kenwood 79a handheld? If so, where can it be located?

Thanks.

--  
herbr@netcom.com

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Date: 29 Aug 1994 13:58:01 -0400  
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!convex!news.duke.edu!solaris.cc.vt.edu!  
swiss.ans.net!newstf01.cr1.aol.com!search01.news.aol.com!not-for-  
mail@network.ucsd.edu  
Subject: Need sources  
To: ham-equip@ucsd.edu

I have just picked up an old (30's) cabinet radio that needs some tlc and will probably need some parts as well. The cabinet is made to look like a 5 drawer chest when closed. It has all LA stations listed on the dial and Appears to get AM and some short-wave (marked Police) It has a magic eye tube in the upper left and the bezel has been badly warped by direct sun, but it appears to say Tune or tone something.

At any rate any help finding sources of info would be deeply apprecreated.

lev@mindvox.com lev@suned1.nswses.navy.mil  
AA6NX



-----  
Date: 29 Aug 94 18:51:15 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Parts for Ham-M  
To: ham-equip@ucsd.edu

I am in need of a wafer switch for my Ham-M model TR-44 control unit.  
C.A.T.S. in Ohio wants \$23 for the darn thing. Does anyone out there  
know of a place that can sell me this switch for a reasonable price?  
Thanks, Bill.

\*-----\*  
\* BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU \*  
\* WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 \*  
\*-----\*

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Date: Sun, 28 Aug 1994 01:44:00 GMT  
From: ihnp4.ucsd.edu!agate!iat.holonet.net!ectech!clint.bradford@network.ucsd.edu  
Subject: prices and ham shops needed in CA ?  
To: ham-equip@ucsd.edu

B>Mic. : MH-12 A 2 B

Is this the Yaseu Mike? If so, Ham Radio Outlets carry them for  
\$47.95.

B> MH-18 A 2 B

If Yaseu, HRO has these, too, for \$39.95.

B>Where are good shops, not too expansive, in the Int'l Airport areas of  
>L.A. or S.F. (CA) ?

Anaheim, CA is the closest HRO to LAX. Get to the 91 Freeway EAST. To  
Anaheim's EUCLID AVENUE SOUTH Offramp. South for about 3/4 mile. They're  
on the right side (west side) of the street.

1-800-854-6046 or 714-533-7373.

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\* QMPro 1.52 \* CCITT- Can't Conceive Intelligent Thoughts Today

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Date: Mon, 29 Aug 1994 14:31:41 GMT  
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
vixen.cso.uiuc.edu!news.uoregon.edu!vitalstatistix.cs.uoregon.edu!cs.uoregon.edu!  
reuter.cse.ogi.edu!hp-cv!@@ihnp4.ucsd.edu  
Subject: Reviving NiCads - FT-470 Battery pack  
To: ham-equip@ucsd.edu

It sounds like one of the NiCad cells in the pack is totally gone. At this stage your patient is dead. So, drastic measures are appropriate. Sometimes oxide can form in the cell which will prevent it from holding charge(I received this evidence as hearsay, so if someone has a better explanation, please chip in.). Occasionally, at the risk to the rest of the cells you can recover the cell by hitting it with an impulse of high current. If you can give it > 15 amps for less than a second, you may burn off the oxide and give the cell a second life. Don't do it any longer or you may find yourself with a puddle of plastic. Keep in mind that this is a last ditch act of desperation. I don't recommend it for marginal, but still good packs.

Assuming that doesn't work, look in the ham magazines for W&W. They can sell you battery inserts which are considerably cheaper than whole new batter packs. Also, their battery packs are about 2/3 the price of the Yaesu packs.

--  
Eric Ross, WB7SDE | Hewlett-Packard Company, VPR  
ericr@vcd.hp.com | Vancouver, WA, USA

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End of Ham-Equip Digest V94 #308

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